

Amendments to the Specification

Pursuant to the Examiner's requirement, submitted herewith is a substitute specification. This contains only subject matter from the original specification. Undersigned confirms that it does not contain new matter.

Please replace the paragraph on page 3, lines 16 to 20:

*b1*  
The microprocessor may apply meteorological metrological tools to the reconstructed artery. In the case of a stenotic artery, the microprocessor may provide accurate quantitative assessment of the extent and length of the stenosis. The severity of a stenosis may be described quantitatively, for example, by the fraction of the arterial lumen occupied by plaque.